

DEFENSE INFORMATION SYSTEMS AGENCY
Interoperability Directorate, 5600 Columbia Pike, Falls Church, VA 22041-2717
SYMOLOGY STANDARDS MANAGEMENT COMMITTEE DIRECTIVE

SSMC NO: 2-03

Date: July 24, 2003

CP No: MIL00-40A

Title: Circular Target Value Area

Originator, Name and Address:

PM FATDS

SSMC Action:

- Approved
 - Approved with Changes
 - Withdrawn
 - Deferred
 - Declared Substantive
- By:
- Disapproved
 - Testing Required
 - Prior to Decision
 - Subsequent to Decision
 - Allied Coordination Required

Decision:

Approved as submitted.

Votes Cast/Proposed Change

Approve Disapprove Abstain N/A

| | | | | |
|-------------------------------------|--------------------------|--------------------------|--------------------------|------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | USA |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | USN |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | USMC |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | USAF |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | NIMA |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | DIA |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | DISA |

Chairperson


(Signature)

| SYMBOL CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM | | | |
|--|---------|----------------|----------------|
| CHANGE PROPOSAL NUMBER | | MIL00-40A | |
| ORIGINATOR | SPONSOR | DATE RECEIVED | DATE OF ACTION |
| PM FATDS | ARMY | August 6, 2001 | July 24, 2003 |
| CHANGE PROPOSAL TITLE | | | |
| ADD NEW SYMBOL, TARGET VALUE AREA (TVAR), CIRCULAR | | | |
| SUGGESTED CHANGE | | | |
| <p>The Fire Support community has a requirement to add a new symbol to MIL-STD-2525B.</p> <ol style="list-style-type: none"> 1. The purpose of the Target Value Area (TVAR), Circular symbol is to graphically designate areas of High Value Targets and/or High Payoff Targets to commanders in the Common Operational Picture (COP)/Common Tactical Picture (CTP). 2. Recommend adding to hierarchy item 2.X.4, Fire Support, under the “Areas” hierarchy, 2.X.4.3, figure B-17, and table B-IV. | | | |
| OVERVIEW | | | |
| <p>Currently, the standard does not contain a symbol depicting Target Value Areas (TVAR) , Circular. The purpose of the Target Value Area, Circular symbol is to graphically display to commanders and operators areas where if High Value Targets and/or High Payoff Targets are detected, they would get the highest priority for fire support engagement. Incorporation into MIL STD 2525B, which will be used in JMTK and GSD, will allow the symbols to be transmitted/received by all battlefield system. Target Value Area, Circular is a required symbol for use in the COP/CTP to be shared across the battlefield. The development of the COP/CTP is required of all ABCS component systems. Fire Support systems are the producer of the Target Value Area, Circular for the COP/CTP. Fire Support systems will retain this capability for fielding throughout the Army and USMC.</p> | | | |
| OPERATIONAL DESCRIPTION | | | |
| <p>In general, the Target Value Area, Circular symbol is used within the fire support system to designate areas where if High Value Targets and/or High Payoff Targets are detected, they would get the highest priority for fire support engagement. One (1) point location and a radius defined in meters are required to graphically display a Target Value Area, Circular. The minimum information required to interoperate with another system is defined below.</p> | | | |
| IMPLEMENTATION | | | |
| <p>Description: Fire Support, Areas, Target Acquisition Zones, Target Value Area (TVAR), Circular</p> <p>Parameters:</p> <ol style="list-style-type: none"> 1. Anchor Points. This graphic requires one (1) anchor point and a radius. Point 1 defines the center point of the graphic. 2. Size/Shape. Size: The radius, defined in meters, defines the size. Shape: Circle. The information fields should be scaleable within the circle. 3. Orientation. Not applicable. <p>Fixed/Dynamic: Dynamic</p> <p>Hierarchy: 2.X.4.3.3.9.3</p> <p>Symbol ID: G*F*AZVC--****X</p> | | | |

| SYMBOL CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM | | | |
|---|---------|----------------|----------------|
| CHANGE PROPOSAL NUMBER | | MIL00-40A | |
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| PM FATDS | ARMY | August 6, 2001 | July 24, 2003 |
| CHANGE PROPOSAL TITLE | | | |
| ADD NEW SYMBOL, TARGET VALUE AREA (TVAR), CIRCULAR | | | |
| Tactical Graphic: | | Example: | |
| | | | |
| JIEO ANALYSIS | | | |
| See JIEO ANALYSIS MIL00-40A.doc | | | |
| C/S/A COMMENTS | | | |
| DECISION NOTICE | | | |
| Approved at SSMC 2-03. | | | |

Attachment A

Tasks:

1. Modify Figure B-17 to reflect new hierarchy structure (Figure B-17 becomes Figures B-17.1 and B-17.2) and addition of new Fire Support graphics.

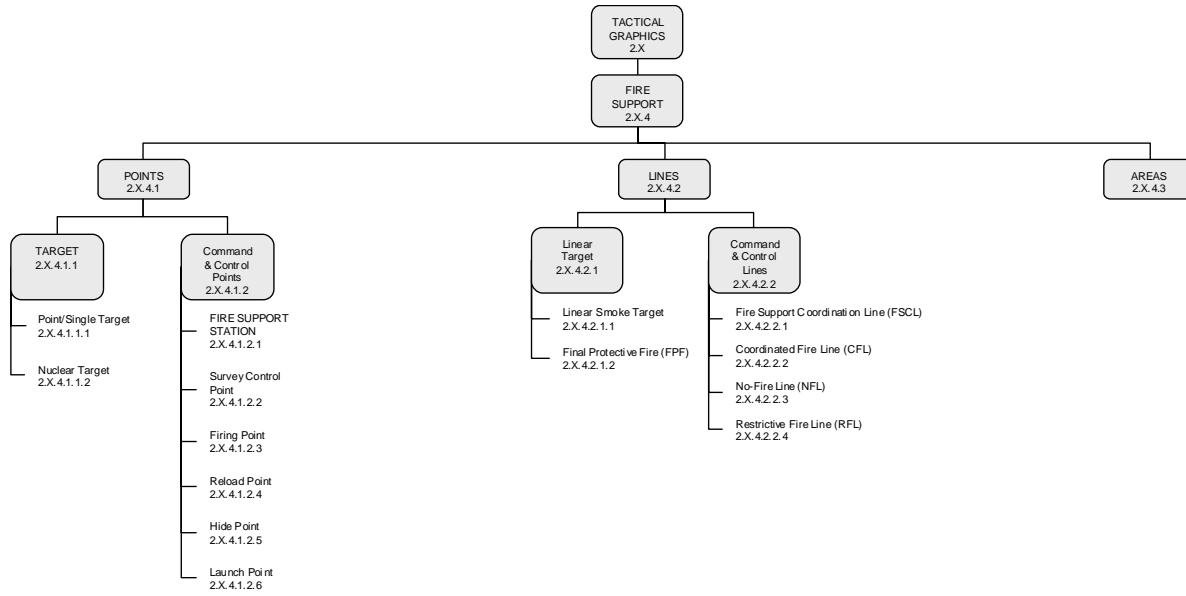


Figure B-17.1. Fire Support.

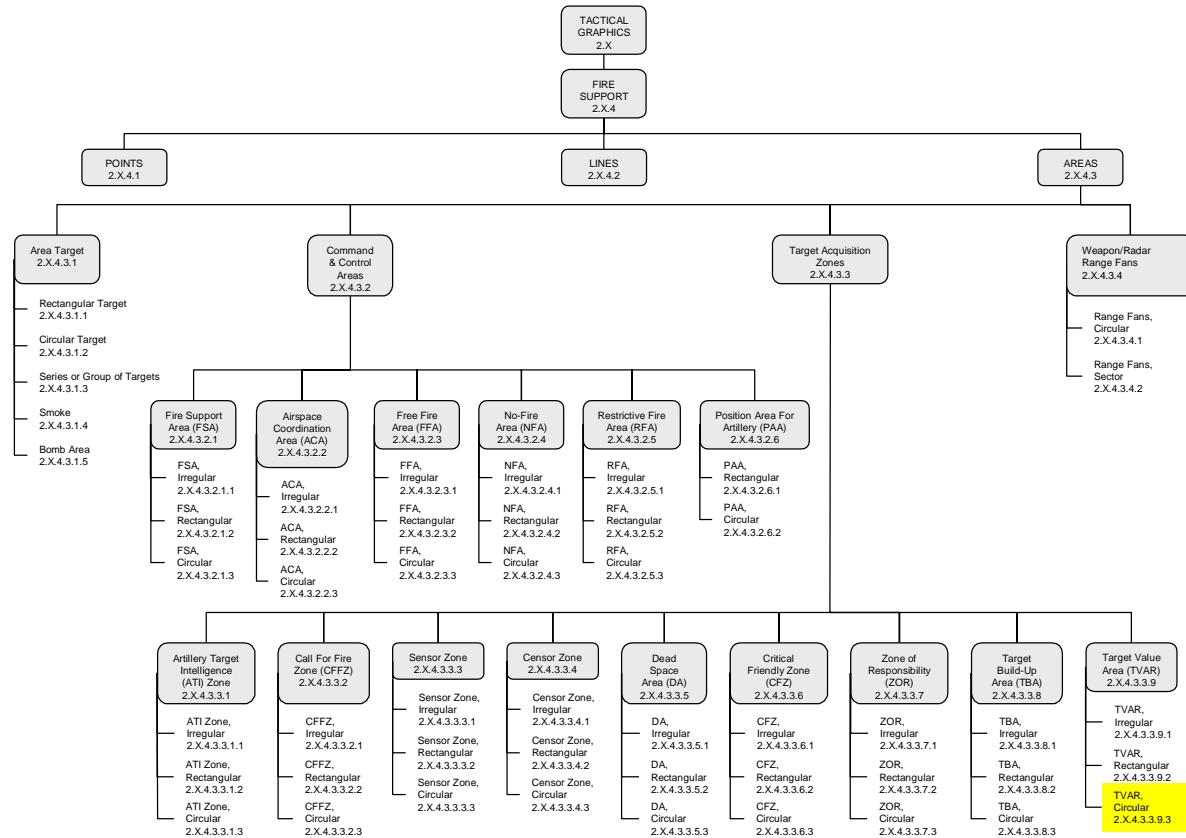


Figure B-17.2. Fire support.

Attachment A

2. Modify Table B-III to reflect restructured hierarchy numbers, provide new symbol IDs for restructured graphics and addition of new graphics' hierarchy numbers and symbol IDs.

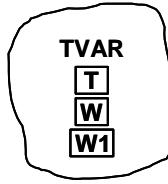
| HIERARCHY | | | | | | | | | | DESCRIPTION |
|---------------|---|---|---|---|----|----|----|----|----|---|
| | | | | | | | | | | |
| 2.X.4 | G | * | F | * | -- | -- | -- | ** | ** | X FIRE SUPPORT |
| 2.X.4.1 | G | * | F | * | P- | -- | -- | ** | ** | X POINT |
| 2.X.4.1.1 | G | * | F | * | PT | -- | -- | ** | ** | X TARGET |
| 2.X.4.1.1.1 | G | * | F | * | PT | S- | -- | ** | ** | X POINT/SINGLE TARGET |
| 2.X.4.1.1.2 | G | * | F | * | PT | N- | -- | ** | ** | X NUCLEAR TARGET |
| 2.X.4.1.2 | G | * | F | * | PC | -- | -- | ** | ** | X COMMAND AND CONTROL |
| 2.X.4.1.2.1 | G | * | F | * | PC | F- | -- | ** | ** | X FIRE SUPPORT STATION |
| 2.X.4.1.2.2 | G | * | F | * | PC | S- | -- | ** | ** | X SURVEY CONTROL POINT (SCP) |
| 2.X.4.1.2.3 | G | * | F | * | PC | B- | -- | ** | ** | X FIRING POINT |
| 2.X.4.1.2.4 | G | * | F | * | PC | R- | -- | ** | ** | X RELOAD POINT |
| 2.X.4.1.2.5 | G | * | F | * | PC | H- | -- | ** | ** | X HIDE POINT |
| 2.X.4.1.2.6 | G | * | F | * | PC | L- | -- | ** | ** | X LAUNCH POINT |
| 2.X.4.2 | G | * | F | * | L- | -- | -- | ** | ** | X LINES |
| 2.X.4.2.1 | G | * | F | * | LT | -- | -- | ** | ** | X LINEAR TARGET |
| 2.X.4.2.1.1 | G | * | F | * | LT | S- | -- | ** | ** | X LINEAR SMOKE TARGET |
| 2.X.4.2.1.2 | G | * | F | * | LT | F- | -- | ** | ** | X FINAL PROTECTIVE FIRE (FPF) |
| 2.X.4.2.2 | G | * | F | * | LC | -- | -- | ** | ** | X COMMANDAND CONTROL |
| 2.X.4.2.2.1 | G | * | F | * | LC | F- | -- | ** | ** | X FIRE SUPPORT COORDINATION LINE (FSCL) |
| 2.X.4.2.2.2 | G | * | F | * | LC | C- | -- | ** | ** | X COORDINATED FIRE LINE (CFL) |
| 2.X.4.2.2.3 | G | * | F | * | LC | N- | -- | ** | ** | X NO-FIRE LINE (NFL) |
| 2.X.4.2.2.4 | G | * | F | * | LC | R- | -- | ** | ** | X RESTRICTIVE FIRE LINE (RFL) |
| 2.X.4.3 | G | * | F | * | A- | -- | -- | ** | ** | X AREAS |
| 2.X.4.3.1 | G | * | F | * | AT | -- | -- | ** | ** | X AREA TARGET |
| 2.X.4.3.1.1 | G | * | F | * | AT | C- | -- | ** | ** | X CIRCULAR TARGET |
| 2.X.4.3.1.2 | G | * | F | * | AT | R- | -- | ** | ** | X RECTANGULAR TARGET |
| 2.X.4.3.1.3 | G | * | F | * | AT | G- | -- | ** | ** | X SERIES OR GROUP OF TARGETS |
| 2.X.4.3.1.4 | G | * | F | * | AT | S- | -- | ** | ** | X SMOKE |
| 2.X.4.3.1.5 | G | * | F | * | AT | B- | -- | ** | ** | X BOMB AREA |
| 2.X.4.3.2 | G | * | F | * | AC | -- | -- | ** | ** | X COMMAND AND CONTROL |
| 2.X.4.3.2.1 | G | * | F | * | AC | S- | -- | ** | ** | X FIRE SUPPORT AREA (FSA) |
| 2.X.4.3.2.1.1 | G | * | F | * | AC | SI | -- | ** | ** | X FIRE SUPPORT AREA (FSA), IRREGULAR |
| 2.X.4.3.2.1.2 | G | * | F | * | AC | SR | -- | ** | ** | X FIRE SUPPORT AREA (FSA), RECTANGULAR |
| 2.X.4.3.2.1.3 | G | * | F | * | AC | SC | -- | ** | ** | X FIRE SUPPORT AREA (FSA), CIRCULAR |
| 2.X.4.3.2.2 | G | * | F | * | AC | A- | -- | ** | ** | X AIRSPACE COORDINATION AREA (ACA) |
| 2.X.4.3.2.2.1 | G | * | F | * | AC | AI | -- | ** | ** | X AIRSPACE COORDINATION AREA (ACA), IRREGULAR |
| 2.X.4.3.2.2.2 | G | * | F | * | AC | AR | -- | ** | ** | X AIRSPACE COORDINATION AREA (ACA), RECTANGULAR |
| 2.X.4.3.2.2.3 | G | * | F | * | AC | AC | -- | ** | ** | X AIRSPACE COORDINATION AREA (ACA), CIRCULAR |
| 2.X.4.3.2.3 | G | * | F | * | AC | F- | -- | ** | ** | X FREE FIRE AREA (FFA) |
| 2.X.4.3.2.3.1 | G | * | F | * | AC | FI | -- | ** | ** | X FREE FIRE AREA (FFA), IRREGULAR |
| 2.X.4.3.2.3.2 | G | * | F | * | AC | FR | -- | ** | ** | X FREE FIRE AREA (FFA), RECTANGULAR |
| 2.X.4.3.2.3.3 | G | * | F | * | AC | FC | -- | ** | ** | X FREE FIRE AREA (FFA), CIRCULAR |
| 2.X.4.3.2.4 | G | * | F | * | AC | N- | -- | ** | ** | X NO-FIRE AREA (NFA) |
| 2.X.4.3.2.4.1 | G | * | F | * | AC | NI | -- | ** | ** | X NO-FIRE AREA (NFA), IRREGULAR |
| 2.X.4.3.2.4.2 | G | * | F | * | AC | NR | -- | ** | ** | X NO-FIRE AREA (NFA), RECTANGULAR |
| 2.X.4.3.2.4.3 | G | * | F | * | AC | NC | -- | ** | ** | X NO-FIRE AREA (NFA), CIRCULAR |

Attachment A

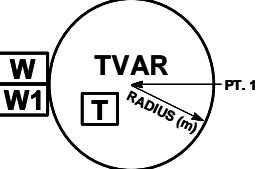
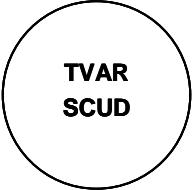
| HIERARCHY | | | | | | | | | | DESCRIPTION |
|-----------------|---|---|---|---|----|----|----|----|----|---|
| | | | | | | | | | | FUNCTION ID |
| | | | | | | | | | | ORDER OF BATTLE |
| | | | | | | | | | | COUNTRY CODE |
| | | | | | | | | | | SIZE/MOBILITY |
| 2.X.4.3.2.5 | G | * | F | * | AC | R- | -- | ** | ** | X RESTRICTIVE FIRE AREA (RFA) |
| 2.X.4.3.2.5.1 | G | * | F | * | AC | RI | -- | ** | ** | X RESTRICTIVE FIRE AREA (RFA), IRREGULAR |
| 2.X.4.3.2.5.2 | G | * | F | * | AC | RR | -- | ** | ** | X RESTRICTIVE FIRE AREA (RFA), RECTANGULAR |
| 2.X.4.3.2.5.3 | G | * | F | * | AC | RC | -- | ** | ** | X RESTRICTIVE FIRE AREA (RFA), CIRCULAR |
| 2.X.4.3.2.6 | G | * | F | * | AC | P- | -- | ** | ** | X POSITION AREA FOR ARTILLERY (PAA) |
| 2.X.4.3.2.6.1 | G | * | F | * | AC | PI | -- | ** | ** | X POSITION AREA FOR ARTILLERY (PAA), IRREGULAR |
| 2.X.4.3.2.6.2 | G | * | F | * | AC | PC | -- | ** | ** | X POSITION AREA FOR ARTILLERY (PAA), CIRCULAR |
| 2.X.4.3.3 | G | * | F | * | AZ | -- | -- | ** | ** | X TARGET ACQUISITION ZONES |
| 2.X.4.3.3.1 | G | * | F | * | AZ | I- | -- | ** | ** | X ARTILLERY TARGET INTELLIGENCE (ATI) ZONE |
| 2.X.4.3.3.1.1 | G | * | F | * | AZ | II | -- | ** | ** | X ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, IRREGULAR |
| 2.X.4.3.3.1.2 | G | * | F | * | AZ | IR | -- | ** | ** | X ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, RECTANGULAR |
| 2.X.4.3.3.1.3 | G | * | F | * | AZ | IC | -- | ** | ** | X ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, CIRCULAR |
| 2.X.4.3.3.2 | G | * | F | * | AZ | X- | -- | ** | ** | X CALL FOR FIRE ZONE (CFFZ) |
| 2.X.4.3.3.2.1 | G | * | F | * | AZ | XI | -- | ** | ** | X CALL FOR FIRE ZONE (CFFZ), IRREGULAR |
| 2.X.4.3.3.2.2 | G | * | F | * | AZ | XR | -- | ** | ** | X CALL FOR FIRE ZONE (CFFZ), RECTANGULAR |
| 2.X.4.3.3.2.3 | G | * | F | * | AZ | XC | -- | ** | ** | X CALL FOR FIRE ZONE (CFFZ), CIRCULAR |
| 2.X.4.3.3.3 | G | * | F | * | AZ | S- | -- | ** | ** | X SENSOR ZONE |
| 2.X.4.3.3.3.1 | G | * | F | * | AZ | SI | -- | ** | ** | X SENSOR ZONE, IRREGULAR |
| 2.X.4.3.3.3.2 | G | * | F | * | AZ | SR | -- | ** | ** | X SENSOR ZONE, RECTANGULAR |
| 2.X.4.3.3.3.3 | G | * | F | * | AZ | SC | -- | ** | ** | X SENSOR ZONE, CIRCULAR |
| 2.X.4.3.3.3.4 | G | * | F | * | AZ | C- | -- | ** | ** | X CENSOR ZONE |
| 2.X.4.3.3.3.4.1 | G | * | F | * | AZ | CI | -- | ** | ** | X CENSOR ZONE, IRREGULAR |
| 2.X.4.3.3.3.4.2 | G | * | F | * | AZ | CR | -- | ** | ** | X CENSOR ZONE, RECTANGULAR |
| 2.X.4.3.3.3.4.3 | G | * | F | * | AZ | CC | -- | ** | ** | X CENSOR ZONE, CIRCULAR |
| 2.X.4.3.3.3.5 | G | * | F | * | AZ | D- | -- | ** | ** | X DEAD SPACE AREA (DA) |
| 2.X.4.3.3.3.5.1 | G | * | F | * | AZ | DI | -- | ** | ** | X DEAD SPACE AREA (DA), IRREGULAR |
| 2.X.4.3.3.3.5.2 | G | * | F | * | AZ | DR | -- | ** | ** | X DEAD SPACE AREA (DA), RECTANGULAR |
| 2.X.4.3.3.3.5.3 | G | * | F | * | AZ | DC | -- | ** | ** | X DEAD SPACE AREA (DA), CIRCULAR |
| 2.X.4.3.3.3.6 | G | * | F | * | AZ | F- | -- | ** | ** | X CRITICAL FRIENDLY ZONE (CFZ) |
| 2.X.4.3.3.3.6.1 | G | * | F | * | AZ | FI | -- | ** | ** | X CRITICAL FRIENDLY ZONE (CFZ), IRREGULAR |
| 2.X.4.3.3.3.6.2 | G | * | F | * | AZ | FR | -- | ** | ** | X CRITICAL FRIENDLY ZONE (CFZ), RECTANGULAR |
| 2.X.4.3.3.3.6.3 | G | * | F | * | AZ | FC | -- | ** | ** | X CRITICAL FRIENDLY ZONE (CFZ), CIRCULAR |
| 2.X.4.3.3.3.7 | G | * | F | * | AZ | Z- | -- | ** | ** | X ZONE OF RESPONSIBILITY (ZOR) |
| 2.X.4.3.3.3.7.1 | G | * | F | * | AZ | ZI | -- | ** | ** | X ZONE OF RESPONSIBILITY (ZOR), IRREGULAR |
| 2.X.4.3.3.3.7.2 | G | * | F | * | AZ | ZR | -- | ** | ** | X ZONE OF RESPONSIBILITY (ZOR), RECTANGULAR |
| 2.X.4.3.3.3.7.3 | G | * | F | * | AZ | ZC | -- | ** | ** | X ZONE OF RESPONSIBILITY (ZOR), CIRCULAR |
| 2.X.4.3.3.3.8 | G | * | F | * | AZ | B- | -- | ** | ** | X TARGET BUILD-UP AREA (TBA) |
| 2.X.4.3.3.3.8.1 | G | * | F | * | AZ | BI | -- | ** | ** | X TARGET BUILD-UP AREA (TBA), IRREGULAR |
| 2.X.4.3.3.3.8.2 | G | * | F | * | AZ | BR | -- | ** | ** | X TARGET BUILD-UP AREA (TBA), RECTANGULAR |
| 2.X.4.3.3.3.8.3 | G | * | F | * | AZ | BC | -- | ** | ** | X TARGET BUILD-UP AREA (TBA), CIRCULAR |
| 2.X.4.3.3.3.9 | G | * | F | * | AZ | V- | -- | ** | ** | X TARGET VALUE AREA (TVAR) |
| 2.X.4.3.3.3.9.1 | G | * | F | * | AZ | VI | -- | ** | ** | X TARGET VALUE AREA (TVAR), IRREGULAR |
| 2.X.4.3.3.3.9.2 | G | * | F | * | AZ | VR | -- | ** | ** | X TARGET VALUE AREA (TVAR), RECTANGULAR |
| 2.X.4.3.3.3.9.3 | G | * | F | * | AZ | VC | -- | ** | ** | X TARGET VALUE AREA (TVAR), CIRCULAR |
| 2.X.4.3.4 | G | * | F | * | AX | -- | -- | ** | ** | X WEAPON/RADAR RANGE FAN |
| 2.X.4.3.4.1 | G | * | F | * | AX | C- | -- | ** | ** | X WEAPON/RADAR RANGE FAN, CIRCULAR |
| 2.X.4.3.4.2 | G | * | F | * | AX | S- | -- | ** | ** | X WEAPON/RADAR RANGE FAN, SECTOR |

Attachment A

3. Modify and amend Table B-IV as needed to agree with Figure B-17.1, B-17.2 and Table B-III as shown above.

| DESCRIPTION | STATIC/ DYNAMIC | HIERARCHY | TACTICAL GRAPHIC | |
|--|--------------------|-----------------|---|--|
| | | SYM-ID | | |
| FIRE SUPPORT AREAS TARGET ACQUISITION ZONES TARGET VALUE AREA (TVAR) | N/A | 2.X.4.3.3.9 | | |
| FIRE SUPPORT AREAS TARGET ACQUISITION ZONES TARGET VALUE AREA (TVAR) IRREGULAR | D | 2.X.4.3.3.9.1 |  | |
| | | G*FPAZVI--****X | | |
| | | Example |  | |
| FIRE SUPPORT AREAS TARGET ACQUISITION ZONES TARGET VALUE AREA (TVAR) RECTANGULAR | D | 2.X.4.3.3.9.2 |  | |
| <u>Parameters</u> | | G*FPAZVR--****X | | |
| | | Example |  | |

Attachment A

| DESCRIPTION | STATIC/ DYNAMIC | HIERARCHY | TACTICAL GRAPHIC |
|---|--------------------|---------------------|---|
| | | SYM-ID | |
| FIRE SUPPORT AREAS TARGET ACQUISITION ZONES TARGET VALUE AREA (TVAR) CIRCULAR | D | 2.X.4.3.3.9.3 |  |
| | | G*FPAZVC-- ****X | |
| <u>Parameters</u> | | Example |  |
| 1. Anchor Points. This graphic requires one (1) anchor point and a radius. Point 1 defines the center point of the graphic. 2. Size/Shape. Size: The radius, defined in meters, defines the size. Shape: Circle. The information fields should be scaleable within the circle. 3. Orientation. Not applicable. | | | |